

LISTING OF THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1. (Currently amended) A read-write head (1) comprising:

a first block (11) and ;

a carrier (14) connected movably with the first block (11) carrying a read-write element (2), whereby said carrier (14) is connected resiliently movable with said block (11) by at least one leaf spring (12, 13), ; and

at least one electromagnetic actuator device with at least one electromagnetic element (8, 9) to create magnetic forces which are acting upon the carrier (14).

2. (Currently amended) Read-write The read-write head as claimed in claim 1, wherein the at least one electromagnetic actuator device comprises at least one actuator element attached or integrated to the carrier (14), on which forces are exertable by means of electromagnetic fields.

3. (Currently amended) Read-write The read-write head as claimed in claim 1, wherein the at least one electromagnetic element (8, 9) includes a coil (22, 26) fabricated in thin film technology or by electroplating, respectively.

4. (Currently amended) Read-write The read-write head as claimed in claim 1, wherein the at least one electromagnetic actuator device (8, 9) includes at least one yoke (19, 23).

5. (Currently amended) Read-write The read-write head as claimed in claim 4, wherein the at least one electromagnetic element of the at least one electromagnetic actuator device includes a coil about one pole of the at least one yoke.

6. (Currently amended) Read-write The read-write head as claimed in claim 5, wherein the at least one yoke comprises a leg, which connects two or more poles of [[a]] the at least one yoke, which are surrounded by coils the coil.

7. (Currently amended) Read-write The read-write head as claimed in claim 1, wherein the at least one electromagnetic actuator device (9, 10) includes at least one magnetizable element.

8. (Currently amended) Read-write The read-write head as claimed in claim 7, wherein the at least one magnetizable element includes soft magnetic material.

9. (Currently amended) Read-write The read-write head as claimed in claim 7, wherein the at least one magnetizable element includes a flux closing yoke.

10. (Currently amended) Read-write The read-write head as claimed in claim 1, wherein the at least one electromagnetic actuator device (8, 9) includes at least one permanently magnetizable element.

11. (Currently amended) Read-write The read-write head as claimed in claim 1, comprising wherein said at least one electromagnetic actuator device comprises two electromagnetic actuator devices (8, 9), each of which comprising an actuator element attached to or integrated in the carrier (14), upon which forces caused by electromagnetic field are exertable, whereby said read-write element viewed in reading direction is located between the actuator elements (8, 9).

12. (Currently amended) Read-write The read-write head as claimed in claim 11, wherein the read-write element, viewed in reading direction, is located perpendicularly offset to a plane through the actuator elements.

13. (Currently amended) Read-write The read-write head as claimed in claim 1, wherein [[a]] the first block (11) is connected with a second block (7), whereby the magnetic forces created by the at least one electromagnetic actuator device (8,9) are acting between the carrier (14) and the second block (7).

14. (Currently amended) Read-write The read-write head as claimed in claim 13, wherein said at least one actuator device includes an electromagnetic element connected with the second block or the carrier, as well as a magnetizable or permanently magnetized element connected to the carrier (14), or
~~—wherein said actuator device includes an electromagnetic element connected with said carrier, as well as a magnetizable or permanently magnetized element.~~

15. (Currently amended) Read-write The read-write head as claimed in claim 13, wherein said at least one electromagnetic actuator device comprises electromagnetic elements which are located on said second block as well as on said carrier.

16. (Currently amended) Read-write The read-write head as claimed in claim 14, wherein the carrier (14) is supported resiliently by said second block.

17. (Currently amended) Read-write The read-write head as claimed in claim 1, further comprising wherein said at least one electromagnetic actuator device comprises three electromagnetic actuator devices.

18. (Currently amended) Read-write The read-write head as claimed in claim 1, wherein said read-write head is shaped as a slider.

19. (Currently amended) Read-write The read-write head as claimed in claim 18, wherein said slider comprises a glide surface having at least one area of the glide surface of said slider that is coated with diamond like carbon (DLC).

20. (Currently amended) Read-write The read-write head as claimed in claim 1, wherein said carrier (14) exhibits a smaller thickness than said first block.

21. (Currently amended) Read-write The read-write head as claimed in claim 1, wherein said read-write element includes comprises an element selected from the group consisting of an electromagnetic read-write element, [[or]] a magneto-resistive electromagnetic read-write element, [[or]] an optical read-write element, [[or]] a magneto-optical read-write element, and [[or]] a combination of at least two of these elements.

22. (Currently amended) Method A method for data recording on or data retrieval from a data storage medium, comprising:

writing data [[written]] on at least one predetermined track on the a data carrier or a data read along a track arranged on said data storage medium by means of a the read-write element of [[a]] the read-write head[[,]] according to one of the claim 1, wherein the read-write head [[which]] is attached to a suspension, wherein said read-write element is arranged on a resiliently supported carrier of said read-write head, and wherein [[the]] a track following of the read-write element is readjusted by the at least one electromagnetic actuator device of the read-write head.

23. (Currently amended) Method The method as claimed in claim 22, wherein further comprising carrying out an adjustment of the distance of the read-write element to the surface of the data carrier is carried out.

24. (Currently amended) Method The method as claimed in claim 22, wherein the read-write element is tilted along an axis essentially parallel to [[the]] a read write direction.

25. (Currently amended) Method The method as claimed in claim 22, wherein further comprising readjusting the track following is readjusted laterally along the surface.

26. (Currently amended) Method The method as claimed in claim 22, wherein
the at least one electromagnetic actuator device of said read-write head is activated by
exciting a coil.

27 through 38. (Cancelled).